

ADJUSTABLE ARC, ADJUSTABLE FLOW RATE SPRINKLER**ABSTRACT OF THE DISCLOSURE**

A sprinkler head includes a base adapted to be secured to a component supplying water under pressure; an arc adjustment ring rotatably mounted on the base; a nozzle and a stream deflector supported by an elongated stem carried by the base, the nozzle and the stream deflector cooperating to define an adjustable nozzle orifice; a water distribution plate secured to a shaft in the stem and located downstream of the nozzle; the stem and the nozzle axially movable relative to the base; and a drive train operatively connected between the arc adjustment ring and the nozzle to rotate the nozzle relative to the stream deflector to thereby adjust the nozzle orifice between a pair of limit positions. The stem is rotatable within the base upon over-rotation of the arc adjustment ring beyond either of the pair of limit positions. The sprinkler head also incorporates a throttle control member secured to an upstream end of the shaft such that rotation of the shaft causes the throttle control member to move axially relative to a flow restriction seat portion, to thereby adjust flow rate through the nozzle, the throttle control member engageable with the seat in a maximum restriction position; and means for permitting rotation of the throttle control member with the shaft upon over-rotation of the shaft.